

SUBCLASS

CLASS

ORIGINAL

CLASS

| Application/Control No | > |
|------------------------|---|
|------------------------|---|

10/663,812 Examiner

James A. Dudek

ISSUE CLASSIFICATION

Applicant(s)/Patent under Reexamination

WASHIZAWA ET AL.

Art Unit

CROSS REFERENCE(S)

SUBCLASS (ONE SUBCLASS PER BLOCK)

2871

| Claims renumbered in the same order as presented by applicant CPA | 34 | 19 | | 156 | 3 | | | | | | | | | | | | | | | | | |
|--|--|----------|--------|------------------|-----------|--|------------------------|----------|-----------------------------|-------|----------|----------|----------|----------|------------------------|-------|----------|--|-----------|---------------|--|--|
| Claims renumbered in the same order as presented by applicant CPA | INTE | RNATIO | NAL CL | ASSIFIC | CATION | | | | | | | | | | | | | | | | | |
| Claims renumbered in the same order as presented by applicant CPA | G 0 | 2 | F | 1/1 | 13 | | | | | | | | | | | | | | | | | |
| Claims renumbered in the same order as presented by applicant CPA | | | | | | | | | | | | | | | | | | | | | | |
| Claims ronumbered in the same order as presented by applicant CPA | | | | | | | | | | | | | | | | | | | | | | |
| Claims renumbered in the same order as presented by applicant CPA | | | | | | | | | | | | | | | | | | | | | | |
| Claims renumbered in the same order as presented by applicant CPA | | | | 0000000000000000 | ********* | | | | | | | | | | | | | | | | | |
| Claims renumbered in the same order as presented by applicant CPA | | | | / | | | | | | | | | | | | | | | | | | |
| The color of the | \bigcap 0 | | | | | | | | | | | | | | O.G. Print Claim(s) | | | | O Prin | .G. t Fig. | | |
| 1 31 61 91 121 151 181 2 32 62 92 122 152 182 1 3 33 63 93 123 153 183 2 4 34 64 94 124 154 184 3 5 35 65 95 125 155 185 4 6 36 66 96 126 156 186 5 7 37 67 97 127 157 187 8 38 68 98 128 158 188 6 9 39 69 99 129 159 189 7 10 40 70 100 130 160 190 8 11 41 71 101 131 161 191 9 12 42 72 102 | Claims renumbered in the same orde | | | | | | | | r as presented by applicant | | | | | ☐ CPA | | | ☐ T.D. | | | ☐ R.1.47 | | |
| 2 32 62 92 122 152 182 1 3 33 63 93 123 153 183 2 4 34 64 94 124 154 184 3 5 35 65 95 125 155 185 4 6 36 66 96 126 156 186 5 7 37 67 97 127 157 187 8 38 68 98 128 158 186 6 9 39 69 99 129 159 189 7 10 40 70 100 130 160 190 8 11 41 71 101 131 161 191 9 12 42 72 102 132 162 192 13 43 73 103 | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | Final | Original | | |
| 1 3 33 63 93 123 153 183 2 4 34 34 64 94 124 154 184 3 5 35 65 96 126 156 186 5 7 37 67 97 127 157 187 8 38 68 98 128 158 188 6 9 39 129 159 189 7 10 40 70 100 130 160 190 8 11 41 71 101 131 161 191 191 9 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 | | | | | | | | | | | | | | | | | | | | = | | |
| 2 4 34 64 94 124 154 184 3 5 35 65 95 125 155 185 4 6 36 66 96 126 156 186 5 7 37 67 97 127 157 187 8 38 68 98 128 158 188 6 9 39 69 99 129 159 189 7 10 40 70 100 130 160 190 8 11 41 71 101 131 161 191 9 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 106 135 | | | | | | | | | | | | | | | | | | | | = | | |
| 3 5 4 6 36 65 96 125 155 186 5 7 37 67 97 127 157 187 ~ 8 38 68 98 128 158 188 6 9 39 69 99 129 159 189 7 10 40 70 100 130 160 190 8 11 41 71 101 131 161 191 9 12 42 72 102 132 162 192 13 43 73 103 133 163 162 192 13 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 <td>$\overline{}$</td> <td></td> <td><u> </u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+</td> | $\overline{}$ | | | | | | | | | | | | <u> </u> | | | | | | | + | | |
| 4 6 36 66 96 126 156 186 5 7 37 67 97 127 157 187 8 38 68 98 128 159 189 7 10 40 70 100 130 160 190 8 11 41 71 101 131 161 191 9 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 46 76 105 135 165 195 16 46 76 106 136 166 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 < | | | | | | | | | | | | | | | | | | | | | | |
| 5 7 37 67 97 127 157 187 ~ 8 38 68 98 128 158 188 6 9 99 129 159 189 7 10 40 70 100 130 160 190 8 11 41 71 101 131 161 191 9 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | | | 1 | | | | | | | | | | | | | |
| 8 38 68 99 128 158 188 6 9 39 129 159 189 7 10 40 70 100 130 160 190 8 11 41 71 101 131 161 191 9 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 | | | | | | | | | | | | | | | | | | | | | | |
| 7 10 40 70 100 130 160 190 8 11 41 71 101 131 161 191 9 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 | 1 | 8 | | | 38 | | | 68 | | | 98 | | | | | | | | | | | |
| 8 11 41 71 101 131 161 191 9 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 | - | | | | | | | | | | 99 | | | | | | 159 | | | | | |
| 9 12 42 72 102 132 162 192 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 | | | | | | | | | | | | | | | | | | | | | | |
| 13 43 73 103 133 163 193 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 </td <td></td> <td></td> <td></td> <td>ļ</td> <td></td> | | | | ļ | | | | | | | | | | | | | | | | | | |
| 14 44 74 104 134 164 194 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 </td <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> | 9 | | | | | | - | | | | | | | | | | | | | | | |
| 15 45 75 105 135 165 195 16 46 76 106 136 166 196 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 <td></td> | | | | | | | | | | | | | | | | | | | | | | |
| 17 47 77 107 137 167 197 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | | | | - | | | | | | | | | | | | | | | _ | | |
| 18 48 78 108 138 168 198 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 179 209 | | | | | | | | | | | | | | | | | | | | 196 | | |
| 19 49 79 109 139 169 199 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | | | | | | | | | | | . | | | | | | | | | | |
| 20 50 80 110 140 170 200 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | | | | | | | | | | | | | | | | | | | | | |
| 21 51 81 111 141 171 201 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | | | | | | | | | | | | | | | | | | | | | |
| 22 52 82 112 142 172 202 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | | | | | | | | ł | | | | | | | | | | | | | |
| 23 53 83 113 143 173 203 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | | | | | | | | 1 | | | | | | | | | | | | | |
| 24 54 84 114 144 174 204 25 55 85 115 145 175 205 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | | | | | | | | 1 | | | | | | | | | | | | | |
| 26 56 86 116 146 176 206 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | 24 | | | 54 | | | 84 | | | 114 | | | | | | 174 | | | | | |
| 27 57 87 117 147 177 207 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | | | | | | | | | | | | | | | | | | | 205 | | |
| 28 58 88 118 148 178 208 29 59 89 119 149 179 209 | | | | | | | | | | | | | | | | | | | | | | |
| 29 59 89 119 149 179 209 | | | | | | | $\vdash \vdash \vdash$ | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| . 1.30 (mmm) DD (mmm) MD (mmm) 1.70 (mm) 1.150 (mm) 1.190 (mm) 1.240 | | 30 | | | 60 | | | 90 | | | 120 | | | 149 | | - | 180 | | | 210 | | |